

(No Model.)

J. S. HEADEN & O. L. BEASLEY.
LATCH.

No. 465,928.

Patented Dec. 29, 1891.

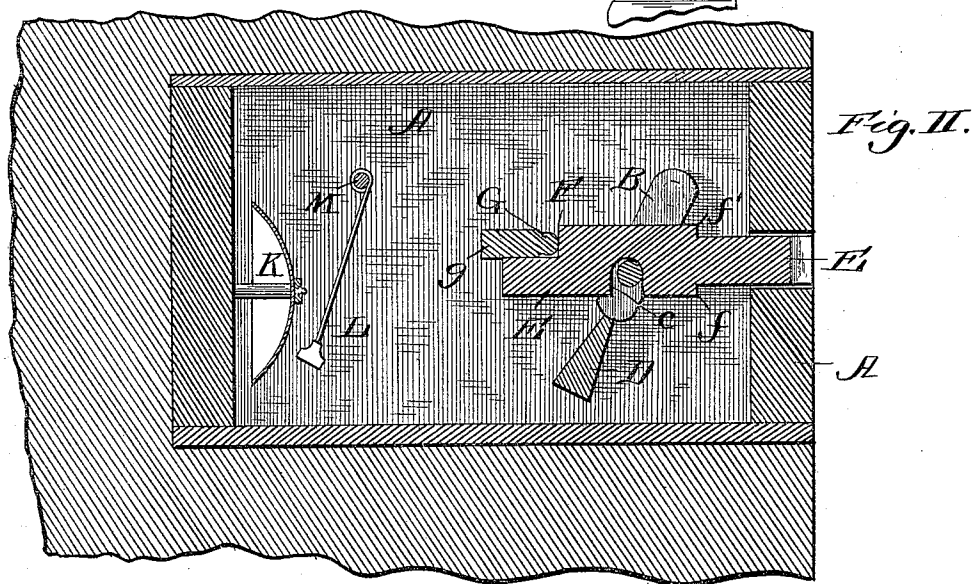
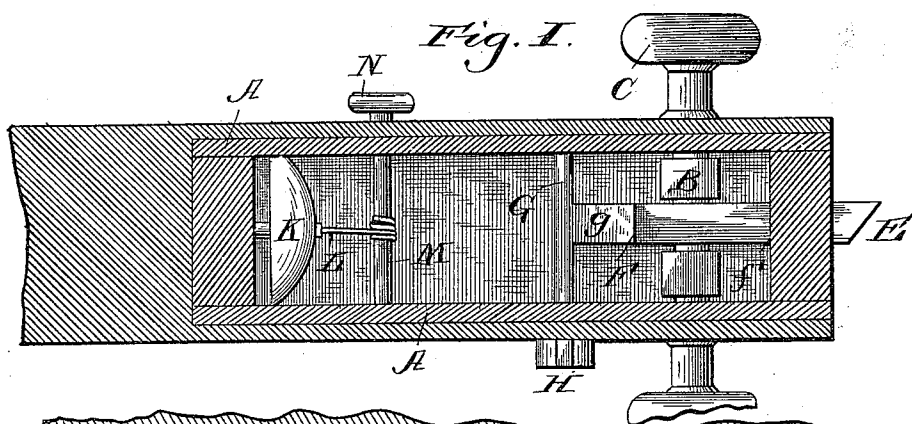
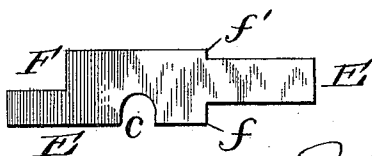


Fig. III.



Witnesses:

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UNITED STATES PATENT OFFICE.

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LATCH.

SPECIFICATION forming part of Letters Patent No. 465,928, dated December 29, 1891.

Application filed May 20, 1891. Serial No. 393,443. (No model.)

To all whom it may concern:

Be it known that we, JOHN SAMUEL HEADEN and OLIVER LOVELL BEASLEY, citizens of the United States, residing at Pleasant Hill, in the county of Cass and State of Missouri, have invented certain new and useful Improvements in Combined Locks and Latches; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Our invention relates to improvements in combined locks and latches, and the object is to provide a simple, cheap, and durable latch and lock.

With these ends in view our invention consists of the peculiar construction and arrangement of parts and combination of devices, as will be fully pointed out hereinafter.

To enable others to more readily understand our invention, we have illustrated the same in the accompanying drawings, in which—

Figure I is a section through a door provided with our improved latch, showing the operating parts of the lock in plan view. Fig. II is a longitudinal sectional view on the line *x x* of Fig. I, and Fig. III is a detail view of the latch-bar.

Like letters of reference denote corresponding parts in the several figures of the drawings, referring to which—

A designates the outer inclosing case or shell of our improved lock. A saddle B is journaled within the inclosing case or shell, and to the pivots or journals thereof are attached suitable knobs or handles C. The saddle B is provided with a downwardly-projecting portion D, which serves to balance and hold the saddle in the proper position. On this saddle C is supported the latch-bar E. This latch-bar has its forward end reduced, and said reduced portion is extended or projected through a suitable aperture in the front wall of the inclosing casing or shell A, and on its lower side said bar is provided with a notch or recess *c*, in which the saddle B fits. On its upper side, near the rear or inner end thereof, said latch-bar is cut away to form a stop or shoulder F, and the lower surface or edge of the latch-bar is curved from the notch or re-

cess *c* to the inner end thereof, as shown. The latch-bar is prevented from moving forward beyond a certain distance by reason of the lugs or shoulders *f f'*, formed on the upper and lower sides thereof, which are adapted to come in contact with the front wall of the casing A.

A shaft G is arranged transversely across the interior of the casing or shell A in rear of the saddle B, and to this shaft is attached a projecting stud or block *g*. To one end of the shaft G is attached a thumb-piece H, by which the shaft is turned and the stud *g* forced against the shoulder F to lock the latch-bar against rearward movement, as shown in Fig. II.

We have also provided our lock with an audible signal, which comprises a gong K, attached to the inner side of the rear wall of the casing or shell A, and a striking-hammer L, which is attached to a transverse shaft M, journaled in the side walls of the casing A near the rear thereof. This striking-bar is operated by a handle N, which extends through a door to which the lock is attached, and is provided at its outer end with a knob N'.

The operation of our invention is as follows: The latch-bar is reciprocated to fasten or unfasten the door by operating either one of the knobs or handles C. To lock the door, the latch-bar is moved into the position shown in Fig. II, and the shaft G turned to force the stud *g* carried thereby against the shoulder F on the latch-bar, and thus hold the latter firmly in place.

We are aware that changes in the form and proportion of parts and details of construction of the devices herein shown and described as an embodiment of our invention can be made without departing from the spirit or sacrificing the advantages thereof, and we therefore reserve the right to make such changes as fairly fall within the scope of our invention.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In a combined lock and latch, the combination, with an inclosing case or shell, of a weighted saddle journaled in the side walls

of said case or shell, a latch-bar provided on
its lower edge with a notch or recess in which
the cross-piece of the saddle fits, and a lock-
ing-bar journaled in the side walls of the in-
5 closing case or shell and adapted to be thrown
into engagement with the latch-bar, as and
for the purpose described.

In testimony whereof we affix our signatures
in presence of two witnesses.

JOHN SAMUEL HEADEN.

OLIVER LOVELL BEASLEY.

Witnesses:

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